FALCON SERVICE BULLETIN

FALCON 2000LX
FALCON 2000LXS
FALCON 2000S

No 350

APRIL 09, 2014

MANDATORY

ATA 27-10

FLIGHT CONTROL
AILERON CONTROL SYSTEM
REPLACEMENT OF AILERON SERVO ACTUATOR

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DASSAULT AVIATION

SERVICE BULLETIN

FALCON 2000EX **F2000EX -350**

FLIGHT CONTROL
AILERON CONTROL SYSTEM
REPLACEMENT OF AILERON SERVO ACTUATOR

Initial issuance April 09, 2014

List of effective pages :
1 to 5

FLIGHT CONTROL
AILERON CONTROL SYSTEM
REPLACEMENT OF AILERON SERVO ACTUATOR

1. PLANNING INFORMATION

A. EFFECTIVITY

This Service Bulletin is applicable to:

- F2000EX aircraft with serial numbers 243, 246 through 258, 260 through 263 (F2000LX, F2000LXS),
- F2000EX aircraft with serial numbers 702 through 710 and 714 (F2000S).

B. REASON

After a manufacturing transfer, a batch of suspected aileron servo actuators has been identified. On these parts, the tightening torque of two nuts of the two adjustable link rods between the bellcranck and the selector assembly is potentially not in conformity with the assembly rules because too low.

Due to the two screw-nut assemblies mechanical clearance potentially generated by this lack of tightening torque, a wrong synchronization of the selector assembly can occur.

The purpose of this Service Bulletin is to replace the suspected aileron servo-actuators.

C. DESCRIPTION

Depending on the aircraft serial number, the operation consists in replacing the LH and/or RH aileron servo-actuators.

D. COMPLIANCE

Mandatory:

- It is anticipated that this Service Bulletin will be rendered mandatory by an EASA Airworthiness Directive.
- As prescribed by the Airworthiness Authorities of the country of registration of the aircraft.

E. APPROVAL

The technical content of this document is approved under the authority of DOA nr. EASA.21J.051.

F. LABOR

Estimated labor-hours: Refer to Service Bulletin Commercial Summary.

NOTE: These labor-hours only concern the work described in this Service Bulletin and do not include other maintenance work which may be performed on this occasion.

G. MATERIAL - PRICE AND AVAILABILITY

The modification kit may be obtained from either address listed below:

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Western hemisphere:	DASSAULT FALCON JET CORP. SPARES DISTRIBUTION CENTER 200 RISER ROAD LITTLE FERRY, NJ 07643 U.S.A. Telephone: • CANADA and U.S.A.: 1-800-800-4036 • MEXICO: 001-800-800-4036 • Other countries: 1-201-541-4809 Fax: • CANADA and U.S.A.: 1-800-800-4817 • MEXICO: 001-800-800-4817 • Other countries: 1-201-440-7021
Other continents:	DASSAULT AVIATION Falcon Spares BOITE POSTALE N°101 AEROPORT DU BOURGET 93350 - LE BOURGET Cedex (FRANCE) Please contact your Dassault Aviation Account Representative Telephone: 33 (0)1.48.35.56.78 Fax: 33 (0)1.48.35.56.00 E/H dafsorder@dassault-aviation.com

Price and availability on request.

H. TOOLING - PRICE AND AVAILABILITY

Normal maintenance tooling.

I. WEIGHT AND BALANCE

Change in weight: None.
Change in balance with respect to 25% MAC: None.

J. REFERENCES

Aircraft Maintenance Manual:

- GENERAL MAINTENANCE AND SAFETY PRECAUTIONS (Refer to **TASK 20-00-00-910-801**)
- REMOVAL / INSTALLATION OF THE AILERON SERVO-ACTUATORS(Refer to **TASK 27-12-01-900-801**)

K. OTHER PUBLICATIONS AFFECTED

None.

2. ACCOMPLISHMENT INSTRUCTIONS

A. PRELIMINARY STEPS

(1) The aircraft must be in the maintenance configuration (Refer to **TASK 20-00-00-910-801**).

B. PROCEDURE

(1) Depending on the aircraft serial number, remove the applicable LH and/or RH aileron servo-actuator (Refer to **TASK 27-12-01-900-801**):

Aircraft S/N	Aileron servo-actuator to be removed			
	LH (30CR)		RH (40CR)	
	P/N	S/N	P/N	S/N
243	NA		103151-08	5002
246	103151-07	5000	103151-08	5003
247	103151-07	5001	103151-08	5006
248	103151-07	5004	103151-08	5007
249	103151-07	5005	103151-08	5012
250	103151-07	5008	103151-08	5013
251	103151-07	5009	103151-08	5014
252	103151-07	5011	103151-08	5016
253	103151-07	5010	103151-08	5015
254	103151-07	5018	103151-08	5017
255	103151-07	5019	103151-08	5022
256	103151-07	5021	103151-08	5023
257	103151-07	5026	103151-08	5024
258	103151-07	5027	103151-08	5033
260	103151-07	5035	103151-08	5032
261	103151-07	5041	103151-08	5037
262	103151-07	5047	103151-08	5039
263	103151-09	5064	103151-08	5044
702	103151-07	5029	NA	
703	103151-07	5034	103151-08	5042
704	103151-07	5040	103151-08	5036
705	103151-07	5046	103151-08	5038
706	103151-07	5048	103151-08	5043
707	103151-07	5054	103151-08	5057

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Aircraft S/N	Aileron servo-actuator to be removed			
	LH (30CR)		RH (40CR)	
	P/N	S/N	P/N	S/N
708	103151-07	5050	103151-08	5045
709	NA		103151-08	5074
710	103151-07	5051	103151-08	5053
714	103151-09	5065	103151-10	5067

C. RECORDING

Record compliance with this Service Bulletin in the appropriate aircraft documents.

Fill out the card located at the end of the Service Bulletin and mail or fax it to Dassault Aviation or Dassault Falcon Jet, or fill out the electronic Service Bulletin reply form located in the ”Service Bulletin" page on the Falcon portal.

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3. MATERIAL INFORMATION

A. MODIFICATION OF LH/RH AILERON SERVO-ACTUATOR PART NUMBER

NEW P/N	QTY	KEY WORD	OLD P/N
103151-07 or 103151-08 or 103151-09 or 103151-10 with S/N not listed in § 2.B.(1) or with S/N listed in § 2.B.(1) but with "D1" inscribed on the repair placard	1 or 2	Aileron servo-actuator	103151-07 or 103151-08 or 103151-09 or 103151-10 with S/N listed in § 2.B.(1) without "D1" inscribed on the repair placard

NOTE 1: Compliance with this Service Bulletin by substituting the above part number(s) with (an) interchangeable subsequent part number(s) is acceptable, provided the subsequent part numbers have the same effectivity as the original part number.

NOTE 2: The aileron servo-actuator(s) removed must be sent to one of the addresses listed in paragraph 1.G. of this Service Bulletin.

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FROM _____

_____

_____

ZIP CODE _____

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY MAIL

FIRST CLASS MAIL PERMIT NO. 3306 HACKENSACK, NJ 07602

POSTAGE WILL BE PAID BY ADDRESSEE:

DASSAULT FALCON JET CORP.
PO BOX 1946
SO HACKENSACK NJ 07606–9946

ATTENTION:
FIELD SERVICE DEPARTMENT

DASSAULT AVIATION
78, Quai Marcel Dassault
Cedex 300
92552 SAINT–CLOUD Cedex
FRANCE

A l'attention de DSC

SERVICE BULLETINS COMPLIANCE **FALCON 2000EX** A/C S/N

DASSAULT AVIATION Number		ATA Number				Coding:	
F2000EX	350	F2000EX	27	10			**C** complete compliance
							T partial compliance
						Performed by:	

Remarks: Initial issuance Date: Signature:

SERVICE BULLETINS COMPLIANCE

Would you be kind enough to inform us that this Service Bulletin is complied with:
- For "Western Hemisphere", mail upper card (No postage necessary if mailed in the U.S.A.) or fax to Dassault Falcon Jet: 1-201-541-4700.
- For "Other Continents", mail card herebelow or fax to Dassault Aviation: 33 (0)1.47.11.65.21.
On the occasion, if other Service Bulletins have been simultaneously complied with could you complete the blank spaces provided for this purpose.

APPLICATION DE BULLETINS DE SERVICE

Lorsque vous aurez applique ce Bulletin de Service sur votre avion, veuillez avoir l'amabilite de nous en informer:
- Utiliser la carte reponse superieure pour continent americain (Dispensee de timbrage pour postage depuis les U.S.A.) ou le fax pour Dassault Falcon Jet : 1-201-541-4700.
- Ou la carte reponse inferieure pour autres continents ou le fax pour Dassault Aviation : 33 (0)1.47.11.65.21.
Eventuellement, si d'autres Bulletins de Service ont ete appliques simultanement, vous pouvez les mentionner dans les cases vierges prevues a cet effet.

APPLICATION DES BULLETINS DE SERVICE

SERVICE BULLETINS COMPLIANCE **FALCON 2000EX** A/C S/N

DASSAULT AVIATION Number Numero DASSAULT AVIATION		ATA Number Numero ATA				Coding:	
F2000EX	350	F2000EX	27	10			**C** complete compliance application totale
							T partial compliance application partielle
						Performed by: Fait par:	

Remarks: Initial issuance Date: Signature:

Remarques: Edition originale